

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name; I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

| atements made ade with the k mprisonment, o tatements may  I (we) nd Franco S. D lst Floor, New prosecute th connected there  | e on information a<br>chowledge that will<br>be both, under See<br>jeopardize the va<br>hereby appoint B<br>e Liguori, Regist<br>York, New York 1<br>is application, a<br>with.<br>rst or Sole Inver | ruce L. Adams, Registi<br>Tration No. 36,497 who<br>0004, as my (our) att<br>and to transact all bu   | ed to be true; is and the like; is and the like; is of the United ation or any particle. The state of the sta | and further the so made are put states Code a tent issued the saddress is: A ll power of su united States  Address - Stridence address   | at these stainishable by ind that such ereon.  ks, Registra dams & Wilks, bstitution ar Patent and Ti | tements of time or willful tion No. 50 Broad revoca | false  25,027 edway, ation,                   |   |
|---|--|---|--|--|---|---|---|---|
| tatements made ade with the kamprisonment, o tatements may  I (we) and Franco S. D  Ist Floor, New o prosecute the connected there  Ill Name of Finatsuya ADACHI  SIDENCE Addrefo Seiko Instr., Nakase 1-cho  ity (Zip)  niba-shi, Chib | e on information a<br>chowledge that will<br>be both, under See<br>jeopardize the va<br>hereby appoint B<br>e Liguori, Regist<br>York, New York 1<br>is application, a<br>with.<br>rst or Sole Inver | and belief are believe liful false statements tion 1001 of Title 18 middle to the applica POWER O ruce L. Adams, Registration No. 36,497 who 10004, as my (our) attend to transact all butter                   | ed to be true; is and the like; s and the like; s of the United ation or any particles of the second | and further the so made are put states Code a tent issued the saddress is: A ll power of su united States  Address - Stridence address   | at these stainishable by ind that such ereon.  ks, Registra dams & Wilks, bstitution ar Patent and Ti | tements of time or willful tion No. 50 Broad revoca | false<br>25,027<br>adway,<br>ation,<br>Office |   |
| I (we)  I (we)  I (we)  od Franco S. D  lst Floor, New  o prosecute th  onnected there  all Name of Fi  atsuya ADACHI  SIDENCE Addre  /o Seiko Instr.  Nakase 1-cho   | e on information a<br>nowledge that will<br>be both, under See<br>jeopardize the va<br>hereby appoint B<br>e Liguori, Regist<br>York, New York 1<br>is application, a<br>with.<br>rst or Sole Inver  | and belief are believe liful false statements tion 1001 of Title 18 middle to the applica POWER O ruce L. Adams, Registration No. 36,497 who 10004, as my (our) attend to transact all butter                   | ed to be true; is and the like; s and the like; s and the like; of the | and further the so made are pictures code a tent issued the same of the same o | at these stainishable by ind that such ereon.  ks, Registra dams & Wilks, bstitution ar Patent and Ti | tements of time or willful tion No. 50 Broad revoca | false  25,027 edway, ation,                   |   |
| atements made with the k uprisonment, o atements may  I (we) d Franco S. D st Floor, New p prosecute the nected there will Name of Fi tsuya ADACHI  SIDENCE Addre o Seiko Instr Nakase 1-cho  | e on information a<br>nowledge that will<br>be both, under See<br>jeopardize the va<br>hereby appoint Bi<br>e Liguori, Regist<br>York, New York 1<br>is application, a<br>with.<br>rst or Sole Inver | and belief are believe liful false statements tion 1001 of Title 18 middle to the applica POWER O ruce L. Adams, Registration No. 36,497 who 10004, as my (our) attend to transact all butter                   | ed to be true; is and the like; s and the like; s and the like; of the | and further the so made are pictures code a tent issued the same of the same o | at these stainishable by ind that such ereon.  ks, Registra dams & Wilks, bstitution ar Patent and Ti | tements of time or willful tion No. 50 Broad revoca | false  25,027 edway, ation,                   |   |
| atements made de with the k prisonment, o atements may  I (we) d Franco S. D st Floor, New prosecute th nnected there ll Name of Fi tsuya ADACHI SIDENCE Addre o Seiko Instr  | e on information a<br>nowledge that will<br>be both, under See<br>jeopardize the va<br>hereby appoint Bi<br>e Liguori, Regist<br>York, New York 1<br>is application, a<br>with.<br>rst or Sole Inver | and belief are believe<br>Lful false statements<br>tion 1001 of Title 18<br>alidity of the applica<br>POWER O<br>ruce L. Adams, Registration No. 36,497 who<br>10004, as my (our) att<br>and to transact all bu | ed to be true; is and the like; is and the like; is of the United ation or any particle. The state of the sta | and further the so made are pictures code a tent issued the same of the same o | at these stainishable by ind that such ereon.  ks, Registra dams & Wilks, bstitution ar Patent and Ti | tements of time or willful tion No. 50 Broad revoca | false  25,027 edway, ation,                   |   |
| atements made de with the k prisonment, o atements may  I (we) d Franco S. D st Floor, New prosecute th nnected there  ILL Name of Fi tsuya ADACHI  | e on information a<br>nowledge that will<br>be both, under See<br>jeopardize the va<br>hereby appoint B<br>e Liguori, Regist<br>York, New York 1<br>is application, a<br>with.                       | and belief are believe<br>Lful false statements<br>tion 1001 of Title 18<br>alidity of the applica<br>POWER O<br>ruce L. Adams, Registration No. 36,497 who<br>10004, as my (our) att<br>and to transact all bu | ed to be true; is and the like; s and the like; a of the United ation or any particles of the second of the second of the second of the second of the like in the  | and further the so made are put the states Code a tent issued the same of the  | at these stainishable by ind that such ereon.  ks, Registra dams & Wilks, bstitution ar Patent and Ti | tements of time or willful tion No. 50 Broad revoca | false  25,027 edway, ation,                   |   |
| atements made de with the k prisonment, o atements may  I (we) d Franco S. D st Floor, New prosecute th nnected there   | e on information a<br>nowledge that will<br>be both, under Sec<br>jeopardize the va<br>hereby appoint B<br>e Liguori, Regist<br>1 York, New York 1<br>is application, a<br>with.                     | and belief are believe<br>Lful false statements<br>tion 1001 of Title 18<br>alidity of the applica<br>POWER O<br>ruce L. Adams, Registration No. 36,497 who<br>10004, as my (our) att<br>and to transact all bu | ed to be true; is and the like; s and the like; s of the United ation or any particles of the state of the st | and further the so made are pure the states Code a tent issued the second secon | at these starnishable by and that such ereon.  ks, Registra dams & Wilks, bstitution ar               | tements of time or willful tion No. 50 Broad revoca | false  25,027 edway, ation,                   |   |
| atements made de with the k prisonment, o atements may  I (we) d Franco S. D st Floor, New prosecute th annected there  | e on information a<br>nowledge that will<br>be both, under Sec<br>jeopardize the va<br>hereby appoint B<br>e Liguori, Regist<br>1 York, New York 1<br>is application, a<br>with.                     | and belief are believe<br>Lful false statements<br>tion 1001 of Title 18<br>alidity of the applica<br>POWER O<br>ruce L. Adams, Registration No. 36,497 who<br>10004, as my (our) att<br>and to transact all bu | ed to be true; is and the like; s and the like; s and the like; a tion or any parties of the like; expenses of the like; and the | and further the so made are pure the states Code a tent issued the second secon | at these starnishable by and that such ereon.  ks, Registra dams & Wilks, bstitution ar               | tements of time or willful tion No. 50 Broad revoca | false  25,027 edway, ation,                   |   |
| atements made de with the k prisonment, o atements may  I (We) d Franco S. D st Floor, New  | e on information a<br>nowledge that will<br>be both, under Sec<br>jeopardize the va<br>hereby appoint B<br>te Liguori, Regist<br>York, New York 1  | and belief are believe<br>Lful false statements<br>tion 1001 of Title 18<br>alidity of the applica<br>POWER O<br>ruce L. Adams, Registi<br>cration No. 36,497 who<br>0004, as my (our) att                      | ed to be true; as and the like; as and the like; as of the United ation or any parties.  PERTORNEY  ration No. 25,3  pose post office torneys with ful   | and further the so made are pu States Code a tent issued the 86, Van C. Wil address is: A ll power of su   | at these starnishable by and that such ereon.  ks, Registra dams & Wilks, bstitution ar               | tements of time or willful tion No. 50 Broad revoca | false  25,027 edway, ation,                   | ٠ |
| atements made<br>de with the k<br>prisonment, o   | e on information a<br>nowledge that wil<br>or both, under Sec  | and belief are believe<br>liful false statements<br>stion 1001 of Title 18<br>slidity of the applica  | ed to be true; as and the like a<br>B of the United<br>ation or any par  | and further th<br>so made are pu<br>States Code a  | at these star<br>nishable by ond that such  | ements  |   |   |
| atements made<br>de with the k<br>orisonment, o   | e on information a<br>nowledge that wil<br>or both, under Sec  | and belief are believe<br>liful false statements<br>ction 1001 of Title 18  | ed to be true; a<br>s and the like :<br>B of the United  | and further th<br>so made are pu<br>States Code a  | at these star<br>nishable by ond that such  | ements  |   |   |
|   |  |   |  |  |   |   |   |   |
| oplication Se   | erial No.)   | (Filing Date)   |  | (Status - Pate   | nted, Pendin  | or Aba  | ndoned)                                       |   |
| oplication Se   | erial No.)   | (Filing Date)   |  | (Status - Pate   | nted, Pendin  | g or Aba  | ndoned)                                       |   |
| olication(s)<br>t disclosed i<br>, United Stat<br>tentability a   | listed below and<br>in the prior Unit<br>tes Code, §112, I<br>as defined in Tit  | , insofar as the subject States application acknowledge the duty le 37, Code of Federal ation and the national  | ect matter of e<br>in the manner<br>to disclose in<br>l Regulations,   | ach of the cla<br>provided by the<br>formation which<br>§1.56(a) which   | ims of this<br>le first para<br>th is materia<br>loccurred be   | applicat<br>graph of<br>l to<br>tween th            | Title<br>e                                    |   |
| mber)<br>. I herel  | (Country) by claim the bene  | (Day/Month/Year<br>fit under Title 35, U  |  | ode. 6120 of a   | ny United Sta   | Yes   | No  |   |
|   |  |   |  |  | <u></u>   |   |   |   |
| mber)   | (Country)  | (Day/Month/Year   | Filed)   |  |   | Yes   | □<br>No                                       |   |
| umber)  | (Country)  | (Day/Month/Year   | Filed)   |  |   | Yes   | No.   |   |
| umber)  | (Country)  | (Day/Month/Year   | Filed)   |  |   | Yes   | No  | • |
|   |  |   |  |  |   | 0   |   |   |
| umber)  | (Country)  | (Day/Month/Year   | Filed)   |  |   | ☐<br>Yes  | □<br>No                                       |   |
| umber)  | (Country)  | 30 08 2002<br>· (Day/Month/Year   |  |  |   | X<br>Yes  | . LI<br>. No                                  |   |
| Prior 1<br>002-254881   | Foreign Applicati  |   |  |  | Pri   | ority Cl  | . —   |   |
| eving a filing  | g date before tha  | ode, §119 of any fore<br>t of the application   | ign application<br>on which priori   | n(s) for paten<br>ty is claimed  | t or inventor   | 's certi  | ficate  |   |
| eferred to ab<br>cordance wit   | ove. I acknowled<br>h Title 37, Code   | ge the duty to disclo<br>of Federal Regulation  | se information<br>ns, §1.56(a). I  | which is mate<br>hereby claim  | rial to pater<br>foreign pric   | tability<br>rity ber                                | nefits  |   |
|   | e above-identifie  | (if applicable).<br>d specification, incl   | I hereby state   | that I have  | reviewed and  | understa  | and the                                       |   |
| rough)<br>ntents of the   | <del></del>  | as Application Serial   |  | טיכיט מחט  |   |   |   |   |

| Second Joint Inventor, if any                              | Citizenship                  |
|--|------------------------------|
| Toshiaki FUJII   | Japan                        |
| RESIDENCE Address - Street                                 | POST OFFICE Address - Street |
| c/o Seiko Instruments Inc.<br>8, Nakase 1-chome, Mihama-ku | same as residence address    |
| City (Zip)   | City (Zip)                   |
| Chiba-shi, Chiba 261-8507                                  |                              |
| State or Country   | State or Country             |
| Japan  |                              |
| Date   | Signature A: A               |
| / December 15, 2003  | 1. Clshali Fuji              |

| Third Joint Inventor, if any                               | Citizenship                  |
|--|------------------------------|
| Hiroshi SAWARAGI   | Japan                        |
| RESIDENCE Address - Street                                 | POST OFFICE Address - Street |
| c/o Seiko Instrumenta Inc.<br>8, Nakase 1-chome, Mihama-ku | same as residence address    |
| City (Zip)   | City (Zip)                   |
| Chiba-shi, Chiba 261-8507                                  |                              |
| State or Country   | State or Country             |
| Japan  | · · · ·                      |
| Date   | Signature                    |
| December 15, 2003  | Hirogh Savery                |

| Fourth Joint Inventor, if any                         | Citizenship                  |
|---|------------------------------|
| Yasuhiko SUGIYAMA                                     | Japan                        |
| RESIDENCE Address - Street c/o Seiko Instruments Inc. | POST OFFICE Address - Street |
| 8, Nakase 1-chome, Mihama-ku                          | same as residence address    |
| City (Zip)  | City (Zip)                   |
| Chiba-shi, Chiba 261-8507                             |                              |
| State or Country                                      | State or Country             |
| Japan   |                              |
| Date  | Signature                    |
| December 15, 2003                                     | Yasuhiko Sugurana            |

| Fifth Joint Inventor, if any | Citizenship                  | 0           |
|------------------------------|------------------------------|-------------|
| RESIDENCE Address - Street   | POST OFFICE Address - Street |             |
| · ·                          |                              |             |
| City (Zip)                   | City (Zip)                   |             |
| State or Country             | State or Country             | <del></del> |
| Date                         | Signature /                  |             |

 $\square$  See third page for additional joint inventors.